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PTO/SB/81 (10-00)

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## REVOCATION AND SUBSTITUTE POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	09/707,330
Filing Date	11/06/00
First Named Inventor	John Horan
Group Art Unit	2824
Examiner Name	Unassigned
Attorney Docket Number	23617-07548

I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application, and I hereby appoint:



Practitioner(s) named below:

Name	Registration Number
Edward J. Radio	26,793
Jeffrey Brill	51,198
David Schumann	P-53,659

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address to, and associate the above-identified application with:



Practitioners at Customer Number

00758



OR

<input type="checkbox"/> Firm or Individual Name			
Address			
Address			
City	State	Zip	
Country			
Telephone	Fax		

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

### SIGNATURE of Applicant or Assignee of Record

Name	ELAINE COUGHLAN
Title	CHIEF FINANCIAL OFFICER
Signature	
Date	13/03/2003

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

\*Total of \_\_\_\_\_ forms are submitted.

**Certificate Under 37 CFR § 3.73(b)**

Applicant: John Horan et al.

Application No.: 09/707,330

Filing Date: November 6, 2000

Name of Assignee: Amadala Limited

Type of Assignee (e.g. corporation, partnership, university, government agency, etc.): corporation

The above-mentioned Assignee certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

A.  An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached; OR

B.  A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From: John Horan, John Ryan, Ciaran Cahill, Stephen Dunphy, Mark Smyth, Kay Hearne, Niall Donovan & Tholom Kiely  
To: Parthus Technologies, PLC  
The document was recorded in the Patent and Trademark Office at  
Reel: 011758 and Frame: 0481, or for which a copy thereof is attached.
2. From: Parthus Technologies, PLC  
To: Amadala Limited  
The document was recorded in the Patent and Trademark Office at  
Reel: 012662 and Frame: 0559, or for which a copy thereof is attached.
3. From: \_\_\_\_\_  
To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel: \_\_\_\_\_ and Frame: \_\_\_\_\_, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

13/03/2003

Date

Elaine Coughlan

Signature

ELAINE COUGHLAN

Name

CHIEF FINANCIAL OFFICER

Title

IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

APPLICANT(S): John Horan *et al.*  
APPLICATION NO.: Not yet known  
FILING DATE: March 8, 2004  
TITLE: Method And Apparatus For Automatically Generating A Phase Lock Loop (PLL)  
EXAMINER: Not yet known  
GROUP ART UNIT: Not yet known  
ATTY. DKT. NO.: 24198-08940

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence, including the enclosures identified above, is being deposited with the United States Postal Service as Express Mail in an envelope addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. This correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service pursuant to 37 CFR 1.10. Express Mail #: EV 442673922 US

Dated: \_\_\_\_\_ By: \_\_\_\_\_  
John T. McNelis, Reg. No.: 37,186

MAIL STOP PATENT APPLICATION  
COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

**ASSOCIATE POWER OF ATTORNEY**

SIR:

The following persons are hereby appointed as Associate Attorneys to prosecute the above-referenced application and any continuing applications, to maintain the ensuing patent, and to transact all other business in the U.S. Patent and Trademark Office connected therewith:

Name	Registration Number	Name	Registration Number
John T. McNelis	37,186		

Respectfully submitted,  
John Horan *et al.*

Dated: March 8, 2004

By: Edward Radlo  
Edward J. Radlo, Reg. No.: 26,793  
Fenwick & West LLP  
Silicon Valley Center  
801 California Street  
Mountain View, CA 94041  
Tel.: (650) 335-7142  
Fax.: (650) 938-5200

24198/01000/DOCS/1418332.1

Attorney's Docket No.: 004148.P010

PATENT

**DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

**My residence, post office address and citizenship are as stated below, next to my name.**

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

## Method and Apparatus for Automatically Generating a Phase Lock Loop (PLL)

the specification of which

X is attached hereto.  
was filed on (MM/DD/YYYY) November 06, 2000 as  
United States Application Number 09/707,330  
or PCT International Application Number \_\_\_\_\_  
and was amended on (MM/DD/YYYY) \_\_\_\_\_  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above.

I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Number	Country	(Foreign Filing Date - MM/DD/YYYY)	Yes	No
Number	Country	(Foreign Filing Date - MM/DD/YYYY)	Yes	No
Number	Country	(Foreign Filing Date - MM/DD/YYYY)	Yes	No

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below:

60/166,096 November 17, 1999  
Application Number (Filing Date - MM/DD/YYYY)

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Application Number	(Filing Date – MM/DD/YYYY)
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I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application Number	(Filing Date – MM/DD/YYYY)	Status -- patented, pending, abandoned
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Application Number	(Filing Date – MM/DD/YYYY)	Status -- patented, pending, abandoned
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I hereby appoint the persons listed on Appendix A hereto (which is incorporated by reference and a part of this document) as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

Send correspondence to Robert B. O'Rourke, BLAKELY, SOKOLOFF, TAYLOR & (Name of Attorney or Agent)  
ZAFMAN LLP, 12400 Wilshire Boulevard 7th Floor, Los Angeles, California 90025 and direct telephone calls to Robert B. O'Rourke, (408) 720-8300. (Name of Attorney or Agent)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Sole/First Inventor John Horan

Inventor's Signature JH Date 29 March 01

Residence Little Island, Cork, Ireland Citizenship Ireland  
(City, State) (Country)

Post Office Address 29 The Greens, Ballytrasna  
Little Island, Cork, Ireland

Full Name of Second/Joint Inventor John Ryan

Inventor's Signature JR Date 29 March 01

Residence Rochestown, Cork, Ireland Citizenship Ireland  
(City, State) (Country)

Post Office Address Sequoia, Monastery Road  
Rochestown, Cork, Ireland

Full Name of Third/Joint Inventor Ciaran Cahill

Inventor's Signature Ciaran Cahill Date 29 March 01

Residence Blarney, Co. Cork, Ireland Citizenship Ireland  
(City, State) (Country)

Post Office Address 9 Muskerry Heights Tower  
Blarney, Co. Cork, Ireland

Full Name of Fourth/Joint Inventor Stephen  
Steven Dunphy

Inventor's Signature Stephen Dunphy Date 6 April 2001

Residence Portarlington, Co. Laois, Ireland Citizenship Ireland  
(City, State) (Country)

Post Office Address Mount Carmel Corrig  
Portarlington, Co. Laois, Ireland

Full Name of Fifth/Joint Inventor Mark Smyth

Inventor's Signature Mark Smyth Date 29 Mar 01

Residence Tramore, Co. Waterford, Ireland Citizenship Ireland  
(City, State) (Country)

Post Office Address Lisselan Tramore  
Tramore, Co. Waterford, Ireland

Full Name of Sixth/Joint Inventor Kay Hearne

Inventor's Signature Kay Hearne Date 29 Mar 01

Residence Bishopstown, Cork, Ireland Citizenship Ireland  
(City, State) (Country)

Post Office Address 21 Firgrove Gardens  
Bishopstown, Cork, Ireland

Full Name of Seventh/Joint Inventor Niall ~~Donovan~~

Inventor's Signature Niall ~~Donovan~~ Date 29 March 01

Residence Leap, Co. Cork, Ireland Citizenship Ireland  
(City, State) (Country)

Post Office Address Sunnyhill  
Leap, Co. Cork, Ireland

Full Name of Eighth/Joint Inventor Tholom Kiely

Inventor's Signature Tholom Kiely Date 29 March 2001

Residence Wilton, Cork, Ireland Citizenship Ireland  
(City, State) (Country)

Post Office Address 70 Pinewood, Elm Park  
Wilton, Cork, Ireland

## APPENDIX A

William E. Alford, Reg. No. 37,764; Farzad E. Amini, Reg. No. 42,261; William Thomas Babbitt, Reg. No. 39,591; Carol F. Barry, Reg. No. 41,600; Jordan Michael Becker, Reg. No. 39,602; Lisa N. Benado, Reg. No. 39,995; Bradley J. Bereznak, Reg. No. 33,474; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; R. Alan Burnett, Reg. No. 46,149; Gregory D. Caldwell, Reg. No. 39,926; Andrew C. Chen, Reg. No. 43,544; Thomas M. Coester, Reg. No. 39,637; Donna Jo Coningsby, Reg. No. 41,684; Florin Corie, Reg. No. 46,244; Dennis M. deGuzman, Reg. No. 41,702; Stephen M. De Clerk, Reg. No. 46,503; Michael Anthony DeSanctis, Reg. No. 39,957; Daniel M. De Vos, Reg. No. 37,813; Sanjeet Dutta, Reg. No. 46,145; Matthew C. Fagan, Reg. No. 37,542; Tarek N. Fahmi, Reg. No. 41,402; George Fountain, Reg. No. 37,374; James Y. Go, Reg. No. 40,621; James A. Henry, Reg. No. 41,064; Libby N. Ho, Reg. No. 46,774; Willmore F. Holbrow III, Reg. No. 41,845; Sheryl Sue Holloway, Reg. No. 37,850; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; William W. Kidd, Reg. No. 31,772; Sang Hui Kim, Reg. No. 40,450; Walter T. Kim, Reg. No. 42,731; Eric T. King, Reg. No. 44,188; George Brian Leavell, Reg. No. 45,436; Kurt P. Leyendecker, Reg. No. 42,799; Gordon R. Lindeen III, Reg. No. 33,192; Jan Carol Little, Reg. No. 41,181; Robert G. Litts, Reg. No. 46,876; Joseph Lutz, Reg. No. 43,765; Michael J. Mallie, Reg. No. 36,591; Andre L. Marais, under 37 C.F.R. § 10.9(b); Paul A. Mendonsa, Reg. No. 42,879; Clive D. Menezes, Reg. No. 45,493; Chun M. Ng, Reg. No. 36,878; Thien T. Nguyen, Reg. No. 43,835; Thinh V. Nguyen, Reg. No. 42,034; Dennis A. Nicholls, Reg. No. 42,036; Robert B. O'Rourke, Reg. No. 46,972; Daniel E. Ovanezian, Reg. No. 41,236; Kenneth B. Paley, Reg. No. 38,989; Gregg A. Peacock, Reg. No. 45,001; Marina Portnova, Reg. No. 45,750; William F. Ryann, Reg. 44,313; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39,018; James C. Scheller, Reg. No. 31,195; Jeffrey Sam Smith, Reg. No. 39,377; Maria McCormack Sobrino, Reg. No. 31,639; Stanley W. Sokoloff, Reg. No. 25,128; Judith A. Szepesi, Reg. No. 39,393; Vincent P. Tassinari, Reg. No. 42,179; Edwin H. Taylor, Reg. No. 25,129; John F. Travis, Reg. No. 43,203; Joseph A. Twarowski, Reg. No. 42,191; Tom Van Zandt, Reg. No. 43,219; Lester J. Vincent, Reg. No. 31,460; Glenn E. Von Tersch, Reg. No. 41,364; John Patrick Ward, Reg. No. 40,216; Mark L. Watson, Reg. No. 46,322; Thomas C. Webster, Reg. No. 46,154; and Norman Zafman, Reg. No. 26,250; my patent attorneys, and Firasat Ali, Reg. No. 45,715; Justin M. Dillon, Reg. No. 42,486; Thomas S. Ferrill, Reg. No. 42,532; and Raul Martinez, Reg. No. 46,904, my patent agents, of BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800, and James R. Thein, Reg. No. 31,710, my patent attorney with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

## APPENDIX B

### Title 37, Code of Federal Regulations, Section 1.56 Duty to Disclose Information Material to Patentability

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclosure information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclosure all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

(1) Prior art cited in search reports of a foreign patent office in a counterpart application, and

(2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made or record in the application, and

(1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or

(2) It refutes, or is inconsistent with, a position the applicant takes in:

(i) Opposing an argument of unpatentability relied on by the Office, or

(ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

(1) Each inventor named in the application;

(2) Each attorney or agent who prepares or prosecutes the application; and

(3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.